

INTERNATIONAL SEARCH REPORT

International application No

PCT/CH 02/00349

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B5/042 A61B5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 370 412 B1 (ARMOUNDAS ET AL.) 9 April 2002 (2002-04-09) column 3, line 22 -column 5, line 20; figures 1-3 ---	1-5,8
Y	WO 99 45994 A (BEYAR) 16 September 1999 (1999-09-16) cited in the application the whole document ---	1-5,8
A	US 6 246 898 B1 (VESELY ET AL.) 12 June 2001 (2001-06-12) cited in the application column 12, line 58 -column 14, line 49 column 31, line 50 -column 33, line 67; figures 16,19 --- -/-	1-11

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the International search 27 February 2003	Date of mailing of the International search report 06/03/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	- Authorized officer Hunt, B

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International Application No
PCT/CH 02/00349

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 645 065 A (SHAPIRO ET AL.) 8 July 1997 (1997-07-08) cited in the application the whole document ----	1,4,11
A	US 5 967 978 A (LITTMANN ET AL.) 19 October 1999 (1999-10-19) column 9, line 51 -column 10, line 34; figures 15-17 ----	4-7
A	US 5 662 108 A (BUDD ET AL.) 2 September 1997 (1997-09-02) abstract column 7, line 58 -column 8, line 6; figures 1-3,8-10 -----	4,5

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.
PCT/CH 02/00349

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6370412	B1	09-04-2002	US	6308093 B1		23-10-2001
			EP	1145047 A1		17-10-2001
			WO	0125822 A1		12-04-2001
WO 9945994	A	16-09-1999	AU	3271799 A		27-09-1999
			EP	1061990 A1		27-12-2000
			WO	9945994 A1		16-09-1999
US 6246898	B1	12-06-2001	US	5797849 A		25-08-1998
			US	5515853 A		14-05-1996
			AU	3791099 A		29-11-1999
			EP	1076512 A1		21-02-2001
			WO	9958055 A1		18-11-1999
			AT	195024 T		15-08-2000
			AU	5140496 A		23-10-1996
			DE	69609529 D1		31-08-2000
			DE	69609529 T2		29-03-2001
			EP	0879426 A2		25-11-1998
			JP	11503629 T		30-03-1999
			AU	6514298 A		22-09-1998
			WO	9839669 A1		11-09-1998
			CA	2215508 A1		10-10-1996
			WO	9631753 A2		10-10-1996
			US	5830144 A		03-11-1998
			US	5795298 A		18-08-1998
			US	5868673 A		09-02-1999
			US	5817022 A		06-10-1998
			US	5779638 A		14-07-1998
US 5645065	A	08-07-1997	US	5425367 A		20-06-1995
			AU	714148 B2		23-12-1999
			AU	5480096 A		30-10-1996
			CA	2218093 A1		17-10-1996
			EP	0822778 A1		11-02-1998
			JP	11503630 T		30-03-1999
			WO	9632060 A1		17-10-1996
			AU	666672 B2		22-02-1996
			AU	2511592 A		05-04-1993
			CA	2116970 A1		18-03-1993
			EP	0606253 A1		20-07-1994
			JP	7500979 T		02-02-1995
			WO	9304628 A1		18-03-1993
US 5967978	A	19-10-1999	US	5682885 A		04-11-1997
			US	5509411 A		23-04-1996
			AT	214569 T		15-04-2002
			CA	2154773 A1		04-08-1994
			DE	69430192 D1		25-04-2002
			DE	69430192 T2		07-11-2002
			EP	0681450 A1		15-11-1995
			ES	2173913 T3		01-11-2002
			US	5699796 A		23-12-1997
			US	5645064 A		08-07-1997
			US	5957842 A		28-09-1999
			US	6141576 A		31-10-2000
			US	5711298 A		27-01-1998
			AT	220879 T		15-08-2002
			AT	205066 T		15-09-2001

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/CH 02/00349

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 5967978	A		AU 5966398 A	28-05-1998
			AU 692762 B2	18-06-1998
			AU 6233094 A	15-08-1994
			AU 6233594 A	15-08-1994
			AU 6233694 A	15-08-1994
			AU 7396098 A	08-10-1998
			AU 7417298 A	01-10-1998
			CA 2154772 A1	04-08-1994
			CA 2154774 A1	04-08-1994
			DE 69428188 D1	11-10-2001
			DE 69428188 T2	21-03-2002
			DE 69431038 D1	29-08-2002
			DK 681451 T3	17-12-2001
			EP 0682502 A1	22-11-1995
			EP 0681451 A1	15-11-1995
			ES 2163436 T3	01-02-2002
			JP 8506034 T	02-07-1996
			JP 8506251 T	09-07-1996
			JP 3370093 B2	27-01-2003
			JP 8506252 T	09-07-1996
			PT 681451 T	28-02-2002
			US 6088610 A	11-07-2000
			WO 9416632 A1	04-08-1994
			WO 9416618 A1	04-08-1994
			WO 9416619 A1	04-08-1994
			US 5706809 A	13-01-1998
			US 5645082 A	08-07-1997
			US 5685322 A	11-11-1997
			US 5881732 A	16-03-1999
			US 5960796 A	05-10-1999
US 5662108	A	02-09-1997	US 6240307 B1	29-05-2001
			US 5297549 A	29-03-1994
			US 5311866 A	17-05-1994
			AT 160273 T	15-12-1997
			CA 2144973 A1	31-03-1994
			DE 69315354 D1	02-01-1998
			DE 69315354 T2	19-03-1998
			EP 0661948 A1	12-07-1995
			JP 8501477 T	20-02-1996
			WO 9406349 A1	31-03-1994